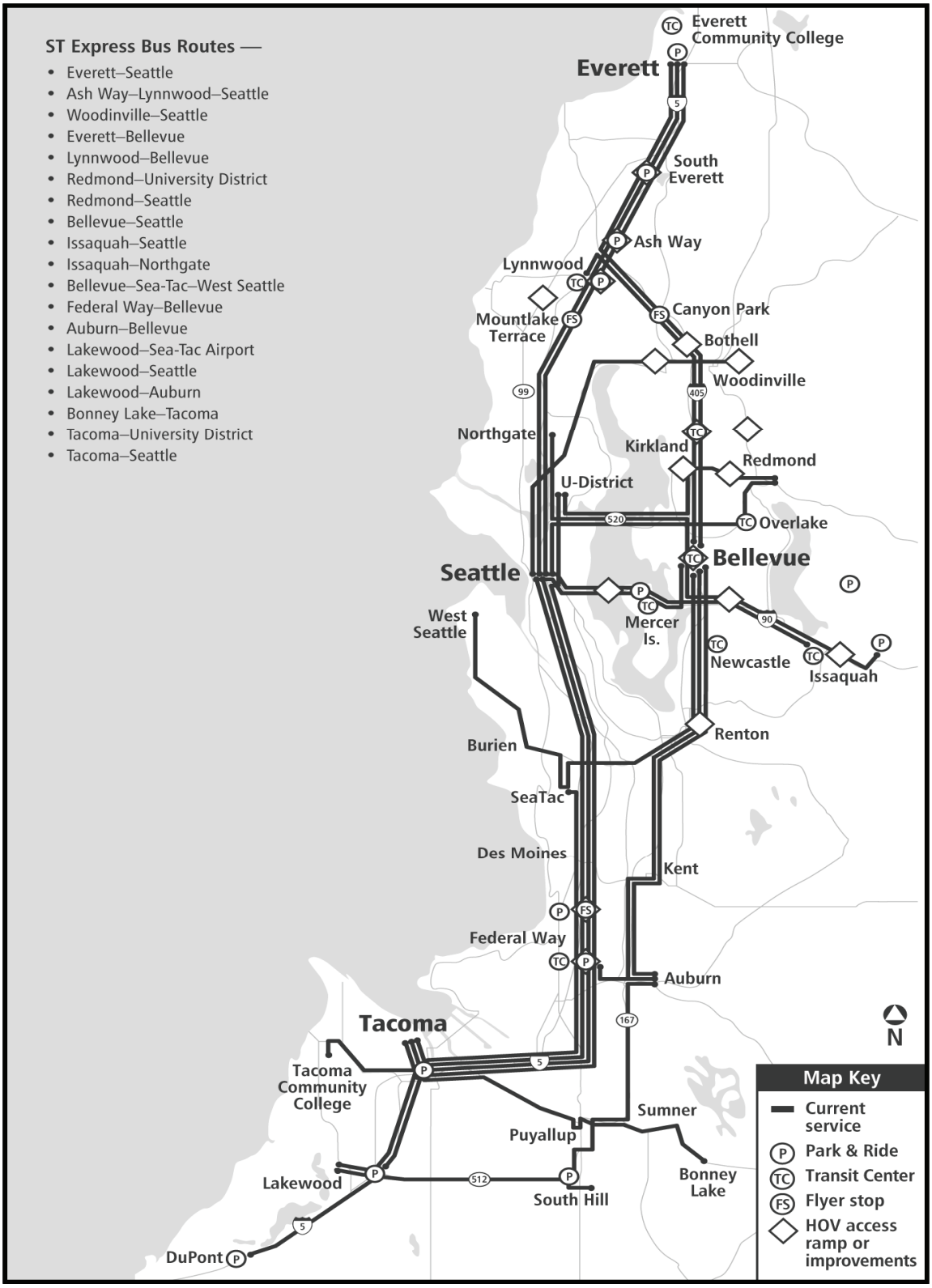
Progress Report
Regional Express Programs

Ribbon cutting ceremony for the completion of SW 27th Street /Strander Boulevard Extension project.

June | 2014

SOUNDTRANSIT

Prepared by Project Control | Design, Engineering & Construction Management



ST Express Routes

Projects

Completed Work: The Regional Express system is comprised of direct-access ramps to the existing freeway High Occupancy Vehicle (HOV) system, park-and-ride lots, and HOV improvements to arterials, transit centers, and freeway in-line transit stations. Freeway improvements are being implemented through a partnership with the Washington State Department of Transportation (WSDOT). Sound Transit has also partnered with local jurisdictions to improve transit infrastructure.

I-90 Two-Way Transit and HOV Operations (Stage 3): Stage 3 provides for two-way transit/HOV operations on I-90 between 80th Avenue SE and Rainier Ave. Following completion of the Stage 3 project, the center roadway will be closed to allow construction of East Link Extension.

ST Express Bus Base: Sound Transit is evaluating the need for an operations and maintenance base. Project development activities include confirmation of fleet operations; facilities and site programming; and alternative site identification.

ST Express Midday Bus Storage: Approximately 30 buses temporarily stored during the mid-day at Link Operations and Maintenance Facility are being relocated in anticipation of expanded use of the facility as University Link and South 200th Link ramp commence service. A permanent bus layover facility is being constructed on Sound Transit owned property along Stevens Way.

Program Budget

Program cost information by project phase is summarized below. Lifetime budgets reflect the Adopted 2014 phase level budgets; for ST2 projects, the lifetime budget includes funding only for project phases that have been approved by the Board of Directors. For example, the ST Express Bus Base project is funded only through preliminary engineering; approval for final design and construction budgets will be requested upon completion of preliminary engineering and refinement of cost estimates.

(Table figures in thousands. Variances are due to rounding.)

Phase	Lifetime Budget	Commitment to Date	Paid to Date
Agency Administration	$ 23,374	$ 20,572	$ 20,665
Pre Engineering / Env Review	$ 32,058	$ 30,062	$ 28,107
Final Design & Specs	$ 47,188	$ 41,542	$ 41,485
Third Party Agreements	$ -	$ -	$ -
ROW Acquisition & Permits	$ 14,140	$ 13,934	$ 13,933
Construction	$ 409,424	$ 210,203	$ 205,032
Construction Management	$ 200	$ 169	$ -
Vehicles	$ 27,231	$ -	$ -
Start-up & Testing	$ -	$ -	$ -
Contingency	$ -	$ -	$ -
Program Total	**$ 553,614**	**$ 316,482**	**$ 309,222**

Significant variances compared to prior reporting period.

- The REX Program budget increased by $166,778 due to budget amendments to Mid-day Bus Storage project in the amount of $2,351,000 and I-90 Two-way Transit and HOV Stage 3 project in the amount of $161,426,597. Both projects were baselined and approved through Phase Gate 5 & 6.

Sound Transit Board Actions

Board motions and resolution directly related to Regional Express Program are summarized in the table below.

Motion Number	Description	Date
Motion M2014-34	Authorizing the chief executive officer to execute an amendment to the existing task order agreement with the Washington State Department of Transportation for the final design services for the I-90 Two-Way Transit and HOV Operations, Stage 3 Project.	05/22/14

Construction Safety

Other than projects being completed by local jurisdictions, there are currently no on-going Regional Express construction activities.

Third-Party Agreements

No third-party agreements were executed during the 2nd quarter 2014.

Quality Assurance

Quality Assurance continues to support the Regional Express program through review of design and construction documents and periodic audits of projects in design, construction, and operations. During this quarter there were no audits, surveillances or reporting.

Description	2nd Quarter 2014	Notes
Audits/Surveillances Performed	0 Audits 0 Surveillances	None
Audits/Surveillances Reports Issued	0 Reports	None
Reports in Progress	0 Reports	None

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Regional Express
I-90 Two-Way Transit and HOV Operations (Stage3)

Scope Overview

Stage 3 project will provide approximately 4 miles of the HOV lanes in each direction of the outer roadway between 80th Ave. S on Mercer Island and Rainier Ave. in Seattle. The Stage 3 project will upgrade and retrofit the fire, life, safety, and other systems in the Mount Baker and Mercer Island/First Hill tunnels. Stage 3 also includes remaining dowel bar retrofit work on west side of Lake Washington, the installation of screening on the shared-use pathway on the I-90 floating bridge, and an eastbound HOV access to Mercer Island. Following completion of Stage 3 project, the center roadway will be closed to allow the construction of East Link Extension.

Stage 3 will enhance transit on I-90

Schedule

	Start	Finish
Prelim Engineering	May 2004	Jun 2010
Final Design	Jun 2010	Aug 2014
Construction	Dec 2014	Jun 2017

Scope/Schedule/Budget Variance

None to report at this time.

Project Cost (\$s in thousands)

Phase	Lifetime Budget	Commitment to Date	Incurred to Date
Administration	$ 3,648	$ 1,054	$ 1,112
Preliminary Engineering	$ 1,549	$ 1,549	$ 1,549
Final Design	$ 22,100	$ 16,496	$ 16,525
Third Party Agreements	$ -	$ -	$ -
ROW Acquisition and Permits	$ -	$ -	$ -
Construction	$ 198,330	$ -	$ -
Construction Services	$ -	$ -	$ -
Contingency	$ -	$ -	$ -
Project Total	**$ 225,627**	**$ 19,099**	**$ 19,186**

Major Contracts

(\$s in thousands)

Vendor	Amount	Scope
WSDOT	$20,942	FD
WSDOT	$166,358	CON/CM Services

Key Activities

Current Period

- Delivered 100% design submittal.
- Received approval for project Phase Gate 5 to establish baseline and Gate 6 to proceed to Construction.
- Baseline project.

Next Period

- Advertise project for construction.
- Prepare Addendum #1.

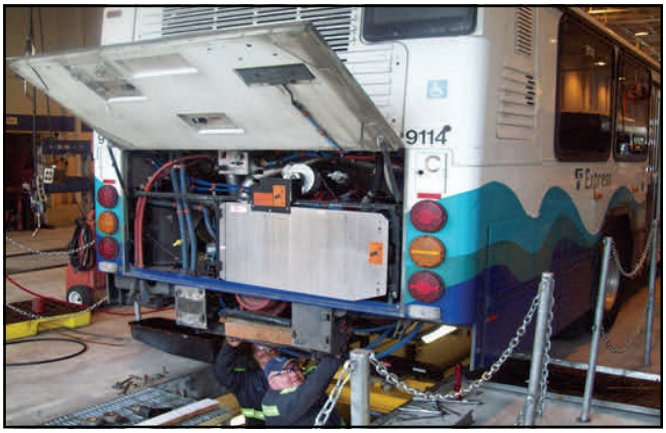
Closely Monitored Issues

- Design/construction costs relative to available budget.
- Advertising and pre-qualification issues.
- Traffic control staging plan.

Regional Express
ST Express Bus Base

Scope Overview

Sound Transit is evaluating the need for an operations and maintenance base for the ST Express bus fleet. Initial project development activities including confirmation of fleet operating assumptions, facilities and site programming evaluations and review of alternative project delivery methods have been completed. Alternative site identification, site evaluations and environmental analysis activities are being initiated.



ST Express bus maintenance currently performed by transit partners

Schedule

	Start	Finish
Prelim Engineering	Apr 2014	TBD
Final Design	TBD	TBD
Construction	TBD	TBD

Scope/Schedule/Budget Variance

None to report at this time.

Major Contracts

($s in thousands)

Vendor	Amount	Scope
Parsons Brinckerhoff	$2,752	PE/ED

Project Cost ($s in thousands)

Phase	Lifetime Budget	Commitment to Date	Incurred to Date
Administration	$ 551	$ 313	$ 322
Preliminary Engineering	$ 4,763	$ 2,994	$ 798
Final Design	$ -	$ -	$ -
Third Party Agreements	$ -	$ -	$ -
ROW Acquisition and Permits	$ 201	$ 3	$ 3
Construction	$ -	$ -	$ -
Construction Services	$ -	$ -	$ -
Contingency	$ -	$ -	$ -
Project Total	**$ 5,515**	**$ 3,310**	**$ 1,123**

Key Activities

Current Period

- Reviewed project business case; all other project work on hold.

Next Period

- Continue review of business case to determine feasibility of the project. or continue agreements with transit partners for the operation and maintenance of the bus fleet.

Closely Monitored Issues

- Additional work requires Board approval.

Regional Express
ST Express Midday Bus Storage

Scope Overview

To improve operational efficiencies, Sound Transit stores up to 30 forty-five foot buses providing peak commuter service to downtown Seattle from remote areas of the Sound Transit District at the Link Operations and Maintenance Facility (OMF) parking area midday, during periods of non-use. In 2014 this area will be needed to support University Link start-up and testing activities. Sound Transit is developing plans for and will construct a permanent midday bus storage area on property Sound Transit acquired during the construction of Central Link.

Aerial view permanent midday bus storage site for ST Express

Schedule

	Start	Finish
Prelim Engineering	Mar 2012	Dec 2012
Final Design	Jan 2013	May 2014
Construction	Jun 2014	Dec 2014

Scope/Schedule/Budget Variance

Project permitting process presents schedule risk.

Major Contracts ($s in thousands)

Vendor	Amount	Scope
Parsons Brinckerhoff	$414	FD

Project Cost ($s in thousands)

Phase	Lifetime Budget	Commitment to Date	Incurred to Date
Administration	$ 273	$ 115	$ 130
Preliminary Engineering	$ 229	$ 229	$ 229
Final Design	$ 455	$ 434	$ 348
Third Party Agreements	$ -	$ -	$ -
ROW Acquisition and Permits	$ 10	$ 2	$ 1
Construction	$ 1,961	$ -	$ -
Construction Services	$ 200	$ 169	$ -
Contingency	$ -	$ -	$ -
Project Total	**$ 3,128**	**$ 949**	**$ 708**

Key Activities

Current Period

- Continued permitting activities.
- Received 100% and Invitation for Bid design and specifications submittals.
- Developed construction cost estimate and project baseline.

Next Period

- Continue and complete permitting activities.
- Advertise and award construction services contract.

Closely Monitored Issues

- Coordination of permitting with the City of Seattle.